

PATENT  
0471-0286PUS1

## IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: FUSENIG, Norbert E. et al.  
Appl. No.: NEW Group:  
Filed: July 7, 2004 Examiner:  
For: BIOMATERIALS BASED ON HYALURONIC ACID  
FOR THE ANTI-ANGIOGENIC THERAPY IN THE  
TREATMENT OF TUMOURS

#2

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION CONCURRENT WITH THE  
FILING OF A NEW PATENT APPLICATION)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 7, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- a. ☐ This application was filed before June 30, 2003. Accordingly, submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. ☐ This application was filed on or after June 30, 2003. Accordingly, copies of cited US patents and patent application publications therefore are not included. Copies of foreign patent documents and non-patent literature are included.

- c. ☒ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

- a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The patents, publications, or other information listed on the attached PTO 1449 are in the English language and therefore, do not require a statement of relevancy.

- b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

- c. ☐ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(III)(A)(3).

- d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

DT15 Rec'd PCT/PTO 07 JUL 2004

Docket No. 0471-0286PUS1

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 

Leonard R. Svensson, #30,330

LRS/lmt  
0471-0286PUS1

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Attachment(s): ☒ Form PTO-1449(s)  
☐ Documents  
☐ Foreign Search Report  
☐ Fee  
☐ Other: \_\_\_\_\_

(Rev. 02/12/2004)

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

ATTY. DOCKET NO.  
0471-0286PUS1

APPLICATION NO.  
NEW 10/501030

APPLICANT  
FUSENIG, Norbert E. et al.

FILING DATE  
July 7, 2004

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 4,851,521	A	1989-07-25	DELLA VALLE ET AL.			
	US 5,520,916	A	1996-05-28	CALLEGARO ET AL.			
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						

**FOREIGN PATENT DOCUMENTS**

Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
EP	0341745	A	1989-11-15	EP				
EP	0466300	A	1992-01-15	EP				
WO	99/61080	A	1999-12-02	WO				
WO	00/01733	A	2000-01-13	WO				
WO	00/54762	A	2000-09-21	WO				
WO	00/57896	A	2000-10-05	WO				
WO	02/18448	A	2002-03-07	WO				
WO	02/18450	A	2002-03-07	WO				
WO	02/41877	A	2002-05-30	WO				

**OTHER DOCUMENTS**

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

TONELLO et al. "In vitro reconstruction of human dermal equivalent enriched with endothelial cells" Biomaterials, Vol. 24, No. 7, 7 March 2003, pp. 1205-1211
GLASS et al. "A three-dimensional cell attachment matrix created by cross-linking RGD peptide modified hyaluronic acid" Journal of Cellular Biochemistry, Suppl. 19A, 5 January 1996, p. 178
LUO et al. "Cross-linked hyaluronic acid hydrogel films: new biomaterials for drug delivery" Journal of Controlled Release, Vol. 69, No. 1, 3 October 2000, pp. 169-184
CORADINI et al. "Hyaluronic acid as drug delivery for sodium butyrate: improvement of the anti-proliferative activity on a breast-cancer cell line" International Journal of Cancer, Vol. 81, No. 3, 5 May 1999, pp. 411-416

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.